

**AN ORDINANCE
of the
CITY OF MINNEAPOLIS**

By Colvin Roy

**Amending Title 19, Chapter 509 of the Minneapolis Code of Ordinances
relating to Water, Sewers and Sewage Disposal: Water.**

The City Council of the City of Minneapolis do ordain as follows:

Section 1. That Section 509.10 of the above-entitled ordinance be amended to read as follows:

509.10. Supervision by ~~council committee~~ public works director; appointment of personnel. The ~~waterworks of the city of Minneapolis department of public works water treatment and distribution services division~~ shall be under the immediate direction of the ~~designated standing committee of the city council acting through the public works director which who~~, subject to the approval of the council, shall do everything pertaining to said works regarding said division that may be necessary for the management and protection thereof. The ~~council~~ public works director shall appoint all officers and employees of the ~~waterworks Minneapolis department of public works water treatment and distribution services division~~ and ~~prescribe their salaries or compensation, upon nomination and recommendation by the committee; provided, however, that the superintendent of the waterworks shall be appointed by the city council upon nomination of the city engineer.~~

Section 2. That Section 509.20 of the above-entitled ordinance be amended to read as follows:

509.20. Waterworks division officers specified. The officers of the ~~waterworks~~ water treatment and distribution services division in addition to the ~~city engineer public works director~~, shall be a ~~superintendent and assistants in charge of the divisions of pumping, purification and sanitation, distribution, engineering, construction, accounting~~ the director of the water treatment and distribution services division and such other employees as may be necessary to the efficient management of the ~~waterworks~~ water treatment and distribution services division.

Section 3. That Section 509.30 of the above-entitled ordinance be amended to read as follows:

509.30. ~~City engineer~~ Director of public works to have general management. The ~~city engineer~~ director of public works shall have the general custody, control and management of the ~~waterworks city of Minneapolis department of public works water treatment and distribution services division and water department.~~

Section 4. That Section 509.40 of the above-entitled ordinance be amended to read as follows:

509.40. Qualifications, duties of ~~superintendent the~~ division director.

The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division, under the direction of the ~~city engineer~~ director of public works, shall have charge of the operation, purification and sanitation, maintenance and construction of the waterworks, and shall perform such other duties as may be required by the ~~city engineer~~ director of public works. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall be a competent engineer and skilled in waterworks matters. The ~~superintendent~~ director of the water treatment and distribution services division ~~shall aid the committee responsible for supervision of the waterworks and the city engineer~~, shall take charge of all employees of the ~~water department~~ water treatment and distribution services division, and see that all work is done in a workmanlike manner and as directed by the ~~city engineer~~ director of public works. The ~~superintendent~~ director of water treatment and distribution services shall, under the ~~city engineer~~ director of public works, have the immediate control and custody of all the property of the ~~department~~ division and see that all such property is properly stored and cared for and that a full and complete record and inventory of the same is kept.

The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall see that all hydrants, gates, valves and other parts of the ~~waterworks~~ water treatment and distribution services division are in order and that all leaks are promptly repaired and that full and accurate reports are kept of all work done, the cost of the same, the names and time of the persons employed, and any other information and records that may be required by the ~~city engineer~~ director of public works and the city council.

Under the direction of the ~~city engineer~~ director of public works, the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall have general supervision of the intakes, pumping stations, pumps, motors, machinery, equipment and tools therein and of all employees connected therewith. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall keep a daily record of the work performed by each pump, the pressure maintained and the number of gallons pumped, and shall have general supervision of the mains, gates, hydrants, taps and all other devices and appurtenances.

The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall have general supervision of reservoirs, purification plants, laboratories and employees connected therewith. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall keep daily records covering the work performed by the plants, supplies used for purification and the analytical work of the laboratories governing the sanitary condition of the water supply. The ~~superintendent of the waterworks~~ director of the water treatment and

distribution services division shall make surveys of the quality of the water in the distribution mains and sanitary condition of the distribution systems.

Section 5. That Section 509.50 of the above-entitled ordinance be amended to read as follows:

509.50. Superintendent's ~~Division~~ director's records and accounts. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall keep a full set of records which shall show in detail the location and measurements for all water pipes, hydrants, valves, taps, stop-boxes, tees, crosses and such other measurements and records as may be necessary. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall report the location of at least two (2) measurements taken from two (2) separate permanent points for each tap and stop-box made in the water mains and service pipes.

~~The superintendent of the waterworks shall be the accounting and financial officer of the waterworks. The superintendent of the waterworks shall keep a complete set of books which shall at all times show the distribution of accounts of the water department; submit all bills, payrolls and accounts to the committee responsible for supervision of the waterworks to be by it considered; shall have the care and safekeeping of all books and papers belonging to the water department; and shall keep a correct account of all receipts, make out all bills for water rents or materials furnished to consumers. All revenues shall be collected by the city finance officer and the money so collected shall be deposited and credited to the waterworks fund and in accordance with law and the requirements of the city council. He~~ The director of the water treatment and distribution services division shall issue all permits for tapping mains; ~~except~~ Exception: when taps are made leading to streets where there are no mains ~~he~~ the director of the water treatment and distribution services division may refer such services to the city council.

~~The superintendent of the waterworks~~ director of the water treatment and distribution services division shall keep a record of all taps and services, their size and location, and shall exhibit his account and receipt books to the city finance officer at least monthly for adjustment, and make monthly abstract thereof. The city finance officer shall certify as to the correctness of said abstract, and the committee responsible for supervision of the waterworks shall submit the same to the city council at its first meeting in each month.

Section 6. That Section 509.60 of the above-entitled ordinance be amended to read as follows:

509.60. Supervision of employees; duties of inspectors. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall have the immediate charge of all meter readers, inspectors, clerks and employees necessary to the proper conduct of the department division. Said ~~inspectors~~ shall have charge of inspecting the premises entered by service pipes, examining into the

condition of all meters and other fixtures, and shall be vigilant to detect and warn against all abuses, whether from waste or other improper use of water; ~~and each. Each inspector shall at once report all infringements of the regulations to the superintendent of the waterworks director.~~ Said inspectors shall also make and keep a true record of each meter in use ~~and visit them at least the first of each quarter.~~

Section 7. That Section 509.70 of the above-entitled ordinance be amended to read as follows:

509.70. Departure from rules governing waterworks the water treatment and distribution services division. ~~The superintendent of the waterworks director of the water treatment and distribution services division, in his the director's discretion and upon approval of the committee responsible public works director for supervision of the waterworks,~~ may depart from the rules set forth for the government of the ~~waterworks~~ water treatment and distribution services division, when special written application is made for the purpose which may be deemed proper.

Section 8. That Section 509.80 of the above-entitled ordinance be amended to read as follows:

509.80. Access to buildings. The officers of the ~~water department~~ water treatment and distribution services division, personally, and persons ~~by them~~ delegated by them for that purpose, shall, to the maximum extent that it is constitutionally permitted, have free access at proper hours of the day, to all parts of every building in which water is consumed, ~~unless the owner or occupant of the building has informed the water department in writing that entry shall only be made with consent.~~

Section 9. That Section 509.90 of the above-entitled ordinance be amended to read as follows:

509.90. Authority to inspect plumbing. The inspectors of the ~~waterworks~~ water treatment and distribution services division ~~must~~ shall be permitted at all times to examine all plumbing work, materials and fixtures to the maximum extent that it is constitutionally permitted. ~~Any refusal to permit such inspection, or any interference with an inspector in the performance of his duty, shall justify a suspension or forfeiture of the plumber's license.~~

Section 10. That Section 509.100 of the above-entitled ordinance be amended to read as follows:

509.100. Identification of inspectors. Inspectors of the ~~waterworks~~ water treatment and distribution services division shall be provided with identification cards which must be shown on demand.

Section 11. That Section 509.110 of the above-entitled ordinance be amended to read as follows:

509.110. City not liable for water shortage; authority to shut off. The city shall not be liable for any deficiency or failure in the supply of water to consumers, whether occasioned by shutting the water off for the purpose of making repairs or connections, or for any other cause whatever. In case of fire or alarm of fire, or in making repairs, or constructing new works, the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division may shut off the water at any time and keep it shut off so long as the ~~superintendent~~ director of water treatment and distribution services division shall deem necessary.

Section 12. That Section 509.120 of the above-entitled ordinance be amended to read as follows:

509.120. Revocation of plumber's license for violations. Any plumber convicted of violating any of the provisions of this Code dealing with the ~~waterworks~~ water treatment and distribution services division may, in addition to other penalties, have ~~his~~ their license revoked or suspended.

Section 13. That Section 509.130 of the above-entitled ordinance be amended to read as follows:

509.130. Services outside the city. When requests of prospective consumers have been duly presented to the ~~water department~~ water treatment and distribution services division for permission to connect to its water mains, where ~~the waterworks~~ water treatment and distribution services division facilities or water pipes of the city have been or shall be extended to or constructed in any road, street, alley or public highway adjacent to or outside of the corporate limits of the city, the ~~city engineer~~ public works director shall in all instances present such requests or petitions to the ~~committee responsible for supervision of the waterworks~~ city council for its consideration and action.

Section 14. That Section 509.150 of the above-entitled ordinance be amended to read as follows:

509.150. Private water supplies to be registered. The owners or occupants of every parcel of land, building or premises situated within the city and discharging domestic sewage, commercial and industrial wastes into the sanitary sewerage system of the city, which derive their water in whole or in part from sources independent of the ~~public water department~~ water treatment and distribution services division, shall register with the ~~water department~~ water treatment and distribution services division all wells or other private sources of water supply which furnish the water consumed thereon. In such registration the owners or occupants of said lot, parcel of land, building or premises shall furnish the ~~water department~~ water treatment and distribution services division with such information as may reasonably be requested by it, including, in the case of wells, the location, size, depth, strata penetrated and stratum from which water is drawn; and shall pay to the ~~water department~~ the sum of one dollar (\$1.00) as a

~~registration fee~~ city finance department a registration fee as listed in the city's rate resolution.

Section 15. That Section 509.160 of the above-entitled ordinance be amended to read as follows:

509.160. Metering of private water supplies. Within ninety (90) days after notice to do so, the owners or occupants of any such lots, parcels of land, building or premises, at their own cost, shall install and continuously maintain a water meter or meters which shall be satisfactory to the ~~water department~~ water treatment and distribution services division, ~~which~~ The water meter or meters shall measure the amount of water consumed on said property which is obtained from such private source. ~~After installation, said water meter or meters after installation shall be under the supervision and control of the water department~~ water treatment and distribution services division.

Section 16. That Section 509.170 of the above-entitled ordinance be amended to read as follows:

509.170. Supervision of work on mains. The work of laying, relaying or repairing any water pipe, or making any connection with any water main, for any private person, within the limits of any street, avenue, alley or public ground in the city shall be done under the directions of the ~~superintendent of the waterworks~~ the director of the water treatment and distribution services division, or under the directions of some person under the directions of the ~~said superintendent~~ director of water treatment and distribution services division, ~~and e~~ Every person doing any such work shall do the same according to the directions of said superintendent the director of the water treatment and distribution services division or of such person under his the director's direction.

Section 17. That Section 509.190 of the above-entitled ordinance be amended to read as follows:

509.190. Permits for excavations issued by ~~water department~~ water treatment and distribution services division. The ~~superintendent of the waterworks~~ director of the water treatment and distribution services division or any person having authority from the ~~superintendent~~ director of the division may open any street, avenue, alley or public ground for the purpose of laying, relaying or repairing any water main or service pipe, at any time whenever the exigencies of the case require immediate action, without any permit from the ~~city engineer~~ director of public works, but such permit must be obtained as soon as possible thereafter, ~~and, in~~ all other cases permits for the opening of any street, avenue, alley or public ground shall be given by the ~~city engineer~~ director of public works to the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division for the purpose of keeping a record in the ~~city engineer's public works director's~~ office of such openings.

Section 18. That Section 509.200 of the above-entitled ordinance be and is hereby repealed.

~~**509.200. Provision for future hydrants.** Every person constructing areas under sidewalks around corners must make provision for the location and erection of a hydrant on such streets or avenues as the superintendent of the waterworks may determine; and in laying the walls of said area provision must be made on the line of the front of the building if produced for setting the hydrant, so that the center of the post of the hydrant may be sixteen (16) inches back of the face of the curb. Outside the area the wall around said hydrant must have a semicircular form with the center in the center of the hydrant post and a radius of not less than five (5) feet. The wall around said hydrants must be made of brick laid in a good quality of cement mortar, and not be less than twelve (12) inches thick.~~

Section 19. That Section 509.250 of the above-entitled ordinance be amended to read as follows:

~~**509.250. To be maintained; assets constituting**~~ **Financial management.** ~~There shall be maintained~~ The city shall maintain a waterworks separate enterprise fund of the city for the water treatment and distribution services division, which ~~The water treatment and distribution services enterprise fund shall consist of and include~~ be used to record all moneys paid and payable to the city as and for water rates or rents, and all other miscellaneous moneys payable or paid to, or received by, the city finance officer from any source whatsoever to the credit of the ~~waterworks~~ water treatment and distribution services enterprise fund, and all proceeds of municipal bonds issued by and on behalf of the city for ~~waterworks~~ water treatment and distribution services enterprise fund shall also be used to record all moneys appropriated by the city council for ~~waterworks~~ water treatment and distribution services division purposes.

Section 20. That Section 509.260 of the above-entitled ordinance be and is hereby repealed.

~~**509.260. Divisions of fund.** The waterworks fund shall be divided into an operating and maintenance division and a capital outlay division. All moneys received by the city as proceeds of municipal bonds issued for waterworks purposes, except the proceeds of bonds issued for waterworks operating or working capital purposes, and all moneys received as payments on special assessments for the installment of water mains shall be credited to the capital outlay division, and all other moneys received by the city to the credit of the waterworks fund shall be credited to the operating and maintenance division.~~

Section 21. That Section 509.270 of the above-entitled ordinance be and is hereby repealed.

~~**509.270. Payments from operating and maintenance division.** From the operating and maintenance division of said waterworks fund shall each year be~~

~~appropriated and paid moneys for the following named waterworks purposes:-~~

~~(a) Payment of the principal of and interest on any bonds of the city issued for waterworks purposes, or issued to refund any bonds issued for waterworks purposes. The amounts paid from said operating and maintenance division to meet principal maturities of such bonds shall be transferred to, and paid into, the sinking fund of the city, and the amounts paid to meet interest requirements shall be transferred to and paid into the interest fund of the city.~~

~~(b) Payment of all costs of operation and maintenance of the waterworks of the city, including authorized charges against the waterworks department for moneys or services advanced from any other city fund for the operation and maintenance of the waterworks department.~~

~~(c) Transfer to the capital outlay division of the waterworks fund of moneys to be used to finance the cost of extension of the waterworks system of the city or for other capital outlay on behalf of the waterworks system, but not in excess of the revenue balance in the operating and maintenance division of the waterworks fund after the payment of the amounts specified in (a) and (b) preceding.~~

Section 22. That Section 509.280 of the above-entitled ordinance be and is hereby repealed.

509.280. -- Payments from capital outlay division. ~~From the capital outlay division of said waterworks fund shall each year be paid the cost of all authorized extensions and improvements of the waterworks system.~~

Section 23. That Section 509.290 of the above-entitled ordinance be amended to read as follows:

509.290. Payments on bonds. Interest and principal requirements for all ~~waterworks~~ water treatment and distribution services bonds, and for all bonds issued to refund ~~waterworks~~ water treatment and distribution services bonds, shall be paid from the ~~interest~~ water treatment and distribution services enterprise fund of the city, and ~~principal requirements from the sinking fund of the city.~~ The city finance officer, fifteen (15) days prior to the due date for any installment of such requirements, shall requisition the water department for the amount of money necessary to meet such requirements, which money when made available shall be credited to the fund or funds from which such requirements are payable.

Section 24. That Section 509.300 of the above-entitled ordinance be amended to read as follows:

509.300. - Budget. ~~The waterworks department, not later than October first of~~ Each year, the department of public works, water treatment and distribution services division shall submit complete budget estimates to the city's budget authority to the city council ~~a complete budget estimate~~ showing in full all contemplated operations, improvements and expenditures of the ~~waterworks department~~ water treatment and distribution services division for the next succeeding fiscal year, a statement of the

estimated revenues of the ~~department~~ division for the next succeeding fiscal year, a corresponding ~~budget estimate and statement of budgeted and estimated actual expenses~~ for the current fiscal year, and corresponding statements of actual ~~experience expenses~~ for the three (3) years preceding the current fiscal years.

Section 25. That Chapter 509 of the above-entitled ordinance be amended by adding thereto a new Section 509.310 to read as follows:

509.310. Accounting and financial officer. The city finance officer shall be the finance officer of the department of public works water treatment and distribution services division. The city finance officer shall keep a complete set of books which shall at all times show the distribution of accounts of the water treatment and distribution services division. The city finance officer shall have the care and safekeeping of all financial records belonging to the water treatment and distribution services division; and shall keep a correct account of all receipts, and shall prepare all bills for water distribution, services, or other items furnished to consumers. All revenues shall be collected by the city finance officer and the money so collected shall be deposited and credited to the water treatment and distribution services enterprise fund in accordance with law, Generally Accepted Accounting Principles (GAAP), and the requirements of the city council.

Section 26. That Section 509.340 of the above-entitled ordinance be amended to read as follows:

509.340. Ownership and responsibility. The water service pipe line, which consists of a corporation cock or a gate valve and manhole at the main, (if a manhole is provided at the main, the shut off at the sidewalk may be omitted) a stop cock and box at the sidewalk, and shut off valves at the meter, as well as the pipe between the main and the meter, shall be owned by the property it serves and each piece of the water service line shall be maintained and kept in good operating condition by the property owner. Failure to do so will result in the ~~water works department~~ water treatment and distribution services division immediately issuing a written notice to the owner of the property setting forth the correction or repair required to be done and the date, not more than fifteen (15) calendar days after the date of said notice, on which such repair is to be completed. If the deficiency is not corrected within the stipulated time frame, the ~~water works department~~ water treatment and distribution services division shall have the necessary corrections made and the cost thereof will be applied to the property owner's utility bill and, if not paid promptly, to the property as a special assessment on the tax rolls. If applied as a special assessment, the procedures used will be as outlined in section 509.465.

Section 27. That Section 509.350 of the above-entitled ordinance be amended to read as follows:

509.350. Application for permit for connection. No permit will be granted unless application is made in writing and signed by the owner of the property or the duly

authorized agent of the owner. The application must state clearly the kind of service for which the connection is intended, the size and kind of pipe to be used, the street and number, which side of the street, if on a corner, on which street to be tapped, with a diagram of the property to be supplied, showing the streets, the boundary of the block on which it is situated, with the distance from the nearest corner, the full name of the owner, the purpose for which the water is to be used, the time when the ferrule service tap is to be inserted, and what plumbing work in the premises, if any, has been done by an unlicensed plumber; and the application shall show all other particulars necessary to the full understanding of the subject. No permit shall authorize anything not stated in the application. For any misrepresentation in such application the same may be suspended and the owner fined; and if the misrepresentation appears to be willful, the permit will be revoked. No tap will be granted to supply a building until it is completed and ready for the tenant, except by special permission from the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division.

Section 28. That Section 509.360 of the above-entitled ordinance be amended to read as follows:

509.360. Charges for tapping mains. There shall be charged and collected for the tapping and making connections with the city's water mains ~~of the waterworks to be paid for at the time of making application therefor, an amount sufficient to defray the cost based on a time and material basis as determined by the city engineer and based upon the then prevailing cost of labor and material~~ as established in the schedule contained in the resolution.

Section 29. That Section 509.370 of the above-entitled ordinance be amended to read as follows:

509.370. Time of insertion of ferrule service tap. If from any cause the plumber laying the service pipe should fail to have the ferrule service tap inserted at the time specified in his application, notice must be left in the proper office fixing another day on which he wishes the ferrule service tap to be inserted. The notice must be given at least two (2) days previous to the excavation for laying of the service pipe, and the ferrule service tap must be inserted before ~~5:00~~ 2:30 p.m. except in special cases; and then the work shall be done only upon a written order from the office of the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division.

Section 30. That Section 509.380 of the above-entitled ordinance be amended to read as follows:

509.380. Materials and weights for service pipes. The ~~following~~ service pipes from the main to the meter shall be of copper tubing, and the meter setting shall be of copper up to and including the shut-off valve on the house side of the meter.

Size and weights for underground copper pipe shall be as follows: according to

the standards of the city of Minneapolis, department of public works, division of water treatment and distribution services.

Nominal Size	O.S. Diam. In.	Wall Thickness In.	Wt. Per Ft. Lbs.
¾ inch	.875	.065	.640
1 inch	1.125	.065	.838
1¼ inch	1.375	.065	1.040
1½ inch	1.625	.072	1.360
2 inch	2.125	.083	2.060

Section 31. That Section 509.390 of the above-entitled ordinance be amended to read as follows:

509.390. Adoption of pipe specifications. ~~A.S.T.M. Specifications for copper service tubing shall govern in all respects. Services larger than two (2) inches in diameter shall be of cast iron and meet the requirements of the A.W.W.A. Specifications for Class B sand cast pipe or fittings, or Class 250 centrifugal cast pipe. When special conditions require it, the kind of pipe used shall be specified by the city engineer. All~~ pipe shall meet the latest revision of ASTM International (fka American Society for Testing and Materials) and American Water Works Association (AWWA) Standards, as it applies to each type, material and size of pipe.

Section 32. That Section 509.400 of the above-entitled ordinance be amended to read as follows:

509.400. Size of taps and pipe. ~~To a three-fourths-inch ferrule, a three-fourths-inch pipe shall be attached. To a one-inch ferrule, a one-inch pipe. To a one-inch ferrule, a one-and-one-fourth-inch pipe, or a one-and-one-half-inch pipe. Taps two (2) inches in diameter and over may have pipes of the same diameter as the taps. All pipe and taps sizes shall be in accordance with standards set by the director of the~~ department of public works, water treatment and distribution systems division.

Section 33. That Section 509.410 of the above-entitled ordinance be amended to read as follows:

509.410. Size of ferrule service tap; laying of service pipe. The ferrule service tap inserted in the distributing pipe must be of the size specified in the permit order and shall be installed exclusively by Minneapolis water treatment and distribution services division employees. Every service pipe must ~~be laid sufficiently waving to allow for not less than one foot of extra length, and in such manner as to prevent rupture by settlement.~~ The service pipe must be placed not less than nine (9) feet below the surface on public property and not less than seven (7) feet below the surface on private property, and in all cases ~~so arranged as to prevent rupture from freezing.~~ be placed in accordance with standards set by the director of the department of public works, water treatment and distribution systems division.

Section 34. That Section 509.430 of the above-entitled ordinance be amended to read as follows:

509.430. Rules for supply from one or more services. (a) It is the intent of these regulations that every separate building be supplied with water through its own separate service pipe, connected directly to the main. Individual houses, duplexes, multiplexes, flats and apartments that are in common ownership shall be supplied through a single metered service. Groups of two (2) or more buildings on the same or adjoining lots and under the same ownership, which are serviced with heat and hot water from a central point or plant, or a group of buildings which are in the immediate vicinity of each other, where each is considered a part of one and the same plant and operating under the same name, may be supplied through a single service pipe and meter, subject to the approval of written application therefor by the ~~waterworks-committee~~ water treatment and distribution services division. The owner shall agree to assume the water charge for all consumers in the group of buildings. Upon the termination of single ownership, additional independent services must be installed as required by the director of water treatment and distribution services.

(b) A group of two (2) or more stores built under a single roof, or housed in a single structure, may be supplied by a single service, as long as the group is under single ownership, or at the option of the owner, separate services may be installed to supply each or any of the ground floor shops or stores. The sale of any one store or shop will require a separate service and meter to that store or shop, independent of all other services. By this regulation no permission is implied to supply overhead flats or offices with separate services.

(c) When single ownership ceases, where two (2) or more buildings have had service through a single connection, such service may be continued if no water main is laid in the street next adjacent to the property served.

(d) Townhouse buildings shall have a service line to each individual unit of the building if the following criteria are met:

(1) Each unit must be designed to be owner-occupied and comprised of an individual housing unit which is part of a number of units constituting an owner association that operates, manages and maintains the joint property for the benefit of all units. Because all property beyond the limits of the unit belongs to the association, all permit requests must be cosigned by the owner of the unit and the association.

(2) The association shall maintain an agreement which includes an owner's easement that shall give the owner easements for the maintenance, repair and replacement of utility installations serving said owner's lot, but which may be located within the common area or beneath the surface of any lot. These easements shall be appurtenant to and shall pass with the title to every lot. This easement shall be on file with the waterworks water treatment and distribution services division prior to the issuance of any connection permit.

(3) Each new townhouse unit served by an individual service line shall have a remote meter-reading device of a type approved by the waterworks water treatment and distribution services division and located at a point on the building satisfactory to the waterworks water treatment and distribution services division. The cost of the meter-reading device, its installation and its maintenance shall be borne by the owner.

(4) Townhouse units which cannot be served by individual service lines from the public water main in the manner that service lines are normally installed shall be served individually from a private water main in a manner similar to that used for public water mains.

(5) Private water mains used for serving townhouse units shall be installed under agreement with the city, as described in Section 509.550, "Private Service Pipes". ~~The private water main shall be installed and maintained at the sole cost of the association in an approved location. The minimum size shall be four-inch diameter with the size determined by the number of service taps and flow volume anticipated. The private water main shall be located in a thirty-foot-wide utility easement dedicated to the city of Minneapolis for utility purposes and in no case shall a private water main be closer than fifteen (15) feet to any building. All materials and installation procedures to be used in the construction of the private water main must meet waterworks standards and all materials and installation procedures are subject to the inspection and approval by the city.~~

~~(6) No extension of the private water main shall be made without the prior written approval of the city. All necessary service connection taps on the private main shall only be made by the city under permit obtained by the property owner(s) who shall pay all fees and costs associated with the work.~~

(e) Where other than the above conditions prevail, service will be provided to

meet the requirements as determined for each case consistent with these regulations.

Section 35. That Section 509.440 of the above-entitled ordinance be amended to read as follows:

509.440. Proximity to sewers. No water service pipe shall be laid in the same trench with a building drain or sewer pipe in the city street. The water pipe shall not be closer to a sewer than ~~eight (8)~~ ten (10) feet at any point horizontally, and when the water and sewer cross each other, there shall be at least eighteen inches (18") of separation, all in accordance with standards set by the director of the water treatment and distribution services division.

Section 36. That Section 509.450 of the above-entitled ordinance be and is hereby repealed.

~~**509.450. Hot water boilers.** All hot water boilers shall be constructed of sufficient strength to bear a sudden pressure of three hundred (300) pounds per square inch with safety. Stop cocks and other appurtenances must have sufficient strength to resist similar pressure under similar circumstances.~~

Section 37. That Section 509.460 of the above-entitled ordinance be amended to read as follows:

509.460. Repairs of leaks. In case of failure upon the part of any consumer or owner to repair any leak occurring upon his service pipe within ~~twenty-four (24) hours~~ fifteen (15) days after verbal or written notice has been given upon the premises, the water will be shut off from the same and will not be turned on until the ~~sum of five dollars (\$5.00)~~ amount as established in the schedule contained in the rate resolution ~~has been paid, together with such additional penalty or charge as the superintendent of the waterworks may impose.~~ When the waste of water is great, or when damage is likely to result from the leak, the water will be turned off if the repair is not proceeded with immediately upon the giving of such notice. If it is found that the water has been turned on again without having complied with these requirements, it shall be lawful to cause the ~~ferrule~~ service tap to be drawn; and it shall not be inserted again until all back rents are paid up ~~and five dollars (\$5.00) additional for drawing and replacing the ferrule.~~

Section 38. That Section 509.465 of the above-entitled ordinance be amended to read as follows:

509.465. Assessment for repairs to water or sewer service line. (a) The owner of any property having a water or sewer service line in need of repair or replacement may request and authorize the city on forms prescribed by the ~~city engineer~~ director of public works to make all necessary repairs and replacements to the service line. Such authorization by the owner to the city shall constitute, and such authorization form shall provide for, the right to enter upon the premises as may be

necessary to make such repairs and replacement; a waiver and release by the owner of any and all claims and damages against the city arising out of the making of such repairs and replacement; and the consent of the owner to any unpaid charges for such work to be collected as a special assessment against the property as provided herein. The city, upon receiving such authorization from the owner, may immediately cause the repairs or replacement of the service line to be done under its direction and control. The said repair or replacement costs shall be initially provided for by an advance of funds from the ~~capital outlay division of the waterworks~~ water treatment and distribution services division enterprise funds, or the sewer rental fund as appropriate, to be reimbursed from the collection of such charges.

(b) The city ~~engineer~~, upon completion of any such repairs or replacement work, shall notify such owner of the amount of the charges for such work which the owner may pay to the city on or before September first. This amount may include an administrative charge set by the city council.

(c) If the charges or any part thereof for any such work is unpaid by September first, the city ~~engineer~~ shall prepare a proposed assessment roll listing the amount of charges unpaid and the benefited property which shall be filed with the city clerk. The city council shall assess and levy and cause to be collected the amount of such costs as a special assessment upon and against the property benefited in the manner provided by Minnesota Statutes, Sections 429.061, 429.071 and 429.081. Such costs so assessed shall be payable in a single installment except that the city council may provide that the costs so assessed may be paid in not to exceed five (5) equal annual installments. The interest rate shall be set annually by the city's finance officer and shall reflect the current interest rate environment, the term of the loan, lost investment earnings, and administrative costs to the city.

Section 39. That Section 509.470 of the above-entitled ordinance be amended to read as follows:

509.470. Old ~~ferrules~~ service taps to be plugged or discontinued. When new buildings are erected on the sites of old ones, and it is desired to increase or change the old water service, no connections with the mains shall be given until all the old ~~ferrules~~ service taps shall have been removed, and the main plugged. Installation of service taps or removal of an existing tap shall only be performed at the direction of the director of water treatment and distribution services division. When buildings are wrecked or removed the old ~~ferrules~~ service taps shall be discontinued where owner is ordered to do so. Where conditions warrant leaving the service in place from main to curb, the stop-cock shall be excavated and plugged on the house side as a safeguard against leakage or unlawful use of water, and the stop box shall be placed in working order. If any contractor, workman or employee, upon such building shall cause or allow any service pipe to be hammered together at the ends to stop the flow of water, or save expense in removing such pipe from the main, the owner or contractor of the building shall be fined and compelled to remove said service pipe from the main, and the water shall be shut off until such removal has been made and the main plugged.

Section 40. That Section 509.480 of the above-entitled ordinance be amended to read as follows:

509.480. Size of domestic connections. Connections with the mains for ordinary domestic supply shall be ~~three-fourths inch except with the permission of the superintendent of the waterworks~~ in accordance with the standards and requirements of the Minneapolis water treatment and distribution services division as approved by the city council.

Section 41. That Section 509.490 of the above-entitled ordinance be amended to read as follows:

509.490. Temporary water supply. In case for any reason water shall fail to flow to any consumer thereof, such consumer, on application to the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division, may receive permission to take water from any other place where it may be furnished, with the consent of the persons controlling the same.

Section 42. That Section 509.510 of the above-entitled ordinance be amended to read as follows:

509.510. Service for building construction. When a permit is issued for building purposes, the service must be carried to the inside of the curb, and when the building is completed the service must be taken up, the ~~ferrule~~ service tap drawn and the main plugged, unless it be required to be extended to supply the building in which case application must be made in the manner usual for extensions.

Section. 43. That Section 509.520 of the above-entitled ordinance be amended to read as follows:

509.520. Permit required for changes. No person shall make any extension or addition to or alteration of any pipe, fixture or plumbing connected with the water system of the city without first having obtained from the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division a written permit to do so for each building or place where such work is to be performed. The fee for each permit shall be ~~one dollar (\$1.00)~~ an amount as established in the schedule contained in the rate resolution, which the applicant shall pay to the ~~city comptroller-treasurer [finance officer]~~ city finance officer, who shall issue ~~his~~ a receipt therefor to be presented by the applicant to the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division before such permit be issued. In case of a second offense by any person in doing the work above mentioned without a permit, the ~~superintendent of the water works~~ director of the water treatment and distribution services division shall have authority to refuse any further permits to such person.

Section 44. That Section 509.530 of the above-entitled ordinance be amended

to read as follows:

509.530. Tampering with discontinued service. Whenever the ~~superintendent of the waterworks~~ director of the water treatment and distribution services division shall have caused the water to be turned off from any service pipe, and it appears there has been tampering with the pipes the ~~superintendent~~ director of the water treatment and distribution services division may cause the same to be severed from the main.

Section 45. That Section 509.540 of the above-entitled ordinance be amended to read as follows:

509.540. Costs of ice hazard removal reimbursed from waterworks fund. In case of an ice hazard in any storm drain or on any public street, sidewalk, or alley resulting from a leak occurring in a public or private water main or service line, the costs of such ice hazard removal shall be paid out of the general fund of the city, to be reimbursed from the ~~operating and maintenance division of the waterworks fund~~ water treatment and distribution services enterprise fund.

Section 46. That Section 509.550 of the above-entitled ordinance be amended to read as follows:

509.550. Private service pipes. ~~Where private service taps are requested for pipes that will lead into the streets that have no water mains, the permits therefor shall be approved by the committee responsible for supervision of the waterworks. The~~ director of the division of water treatment and distribution services shall have the authority to negotiate private service pipe agreements subject to city council approval, in such cases where the director determines that a private service pipe is necessary. This authority shall include private service pipes that may extend into streets which have not been officially graded or paved or private service pipes under streets that have been officially graded or paved and private water service located on private property, and private service pipes that will lead into streets that have no water main. The shut-off facilities, materials and size of pipe shall be suitable for the service and possible future demands and ~~have the approval of the city engineer~~ for water service as determined by and with the approval of the director. Maintenance work that is required for private service pipes shall be defined in the private service pipe agreement. ~~Extensions of private service pipes may be permitted provided an equitable share of the cost or value of the original service is borne by the party benefited. Repairs of party service pipes shall be distributed among the owners on an equitable basis as determined in each case.~~

Section 47. That Section 509.570 of the above-entitled ordinance be amended to read as follows:

509.570. Manner of making water main connections. The following rules must be observed and carried out in all work relating to water main connections, or laying, relaying or repairing water pipes:

(a) In making connections with water main the tap must not be above the axis of the main, and the service pipe must reach a depth of nine (9) feet below the grade of the street or alley at a point within two (2) feet of said main, and continue at that depth to the line of the street or alley.

(b) The shut-off cock must have a round and free opening through it when open, sufficiently large to allow ~~a one-half inch lead pipe to easily pass through it~~ for proper connection.

(c) In excavating for laying service pipe in the streets or alleys, if the ~~city-engineer~~ public works director shall consent, it may be done by digging pits and tunneling between, but no section of such tunnel work shall exceed six (6) feet in length.

(d) All refilling must be done by tamping or puddling, or both, as the ~~city-engineer~~ public works director requires in a thorough manner, so as to absorb all the material excavated and leave the surface of the street or alley uniform.

(e) In all streets which are paved or which have been ordered paved by the city council, such refilling shall be made with clean sand or gravel properly tamped or puddled and all excess material shall be removed from the street, and the ~~city-engineer~~ public works director in repaving paved streets shall cut back the concrete a distance of at least one foot from the edge of the excavation.

(f) All work must be done under the supervision of an inspector named by the ~~city-engineer~~ public works director.

Section 48. That Section 509.600 of the above-entitled ordinance be amended to read as follows:

509.600. Definitions. As used in this ~~article~~ chapter, the word "meter" shall include a metering or measuring device connected to and an integral part of the water system of the city for the purpose of measuring the amount of water delivered from the city water main to any private premises, buildings or structures in the city, but not private meters owned and installed by the owner or occupant of any premises for the owner's or occupant's own use and benefit.

(b) As used in this chapter, the words "spacer pipe" shall mean a temporary pipe the same size as the meter to fill the space for the meter when the meter is temporarily removed.

(c) As used in this chapter, the words "reduced pressure zone backflow prevention assembly" means a device to prevent the reverse flow of polluted water from entering into the potable water supply due to back siphoning and or backpressure.

(d) As used in this chapter, the word "Director", unless otherwise indicated by the context, means the director of the department of public works, water treatment and distribution services division or the Director's designees.

Section 49. That Section 509.610 of the above-entitled ordinance be amended to read as follows:

509.610. City ownership of general water supply meters. The city will install, own, and maintain all domestic general water supply meters inside and outside the city that are attached to the city's water system. This will apply prospectively to all new construction and all new meter installation in existing structures or on existing properties. This will also apply to a meter that is re-located within an existing property or structure. Any property owner with an existing meter that is not owned by the city may elect to give their meter(s) to the city. The city will then be responsible for the maintenance of such meter(s). Any property owner that elects to retain ownership of their existing meter shall maintain it consistent with the requirements of this Code and any rules, regulations or other direction provided pursuant thereto. ~~The city will install, own, and maintain all domestic general water supply meters six (6) inch and smaller in size outside the city. Meters above six (6) inch in size outside the city will be installed, owned, and maintained by the private owners of the premises except by specified agreement between the private owner and director of the waterworks. The supply of water through each separate service shall be recorded by one meter only, for which only one account will be maintained by the city. If additional or auxiliary meters are desired for recording the subdivision of a water supply, they must be furnished and set by the owner or consumer at their expense, and all responsibility for reading and maintaining such meter(s) shall be assumed by the Owner or consumer.~~

Section 50. That Section 509.630 of the above-entitled ordinance be amended to read as follows:

509.630. Meter placement. ~~The director of the waterworks~~ director of the water treatment and distribution services division shall have water meters placed at city expense on all premises where deemed necessary. Failure of a bill payer to allow to have placed a water meter or water meters on the premises when notified to do so shall be cause for the water to be turned off from the premises and not turned on again until such meter or meters shall be placed as required. Water meter placement shall include any associated automatic meter reading devices as required by the ~~waterworks~~ water treatment and distribution services division.

Section 51. That Section 509.640 of the above-entitled ordinance be and is hereby repealed.

~~**509.640. -- Setting and maintenance.** Any customer may have an approved meter put in upon approval of the city and upon payment of the cost of such meter; and whenever thereafter said meter shall become obstructed or out of order, the city shall cause the same to be opened, cleared and put in order. If new parts to said meter are required, the city shall cause such parts to be supplied and such repairs shall be made upon being paid for by the customer.~~

Section 52. That Section 509.650 of the above-entitled ordinance be amended to read as follows:

509.650. Manner of setting. Meter installations shall be made in such a manner that the meter, couplings and valves will not be subjected to immersion by ordinary back flooding of house drainage over basement floors. Each meter shall have a shut-off valve before the inlet and a shut-off valve at the outlet, all in accordance with water treatment and distribution services division requirements.

Section 53. That Section 509.670 of the above-entitled ordinance be amended to read as follows:

509.670. Location of; specifications for installations. All meters shall be set at the nearest practicable location to the point where the service pipe enters the building; and shall be set in such a manner as to be easily accessible for reading, removal and resetting. No service pipe within a building ahead of a water meter shall be concealed, except that it may be run a reasonable distance beneath the lowest floor in the building. All meters shall be set in accordance with the following: water treatment and distribution services division Standards and requirements as approved by the city council.

DISPLACEMENT-TYPE METERS
Height of Centerline of Inlet and
Outlet Piping Above Floor

Size (inches)	Minimum (inches)	Maximum (inches)	Laying Length of Meter Face to Face (inches)
$\frac{5}{8}$	12	36	$7\frac{1}{2}$
$\frac{3}{4}$	12	36	9
1	12	36	$10\frac{3}{4}$
$1\frac{1}{2}$	$3\frac{3}{4}$	24	13
2	$3\frac{1}{2}$	24	17

COMPOUND-TYPE METERS
Height of Centerline of Inlet
and Outlet Piping

Size (inches)	Minimum (inches)	Maximum (inches)	Meter Length (inches)	Minimum Spool Each	Minimum Face to Face
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			s)	End (inches)	Between n Gates (inches)
2	5½	24	*	6	*
3	8½	24	24	6	36
4	9	24	29	8	45
6	11¾	24	36	8	52

~~*Laying length of two-inch compound meters shall be specified by the city.~~

Laying length of compound-type meters shall include a spool at each end of the meter of the same size as the meter and of the minimum length specified above per standards and requirements of the water treatment and distribution services division as approved by the city council.

Compound meters shall be at least six (6) inches from the wall in all directions. Setting instructions for all sizes larger than six (6) inches or for special meters shall be secured obtained from the ~~water department~~ water treatment and distribution services division.

Meters size up to and including one (1) inch shall be supported by the inlet and outlet piping. All other meters shall be ~~securely shimmed up to alignment with brass or bronze shims~~ supported by adjustable supports to support the weight of the meter and allow for any necessary adjustment. In order that meters may be removed and replaced by meters of a different manufacturer, the floor beneath the meter shall be left flat and smooth. Couplings and valves shall not be subjected to immersion by ordinary back flooding of the building drainage. All meters shall have a one hundred twenty-five (125) pound pressure rated valve before the inlet and a one hundred twenty-five (125) pound pressure rated shutoff valve at the outlet of the meter, except that bypass meters on fire line detector checks shall have one hundred twenty-five (125) pound pressure rated valve at the inlet and a one hundred twenty-five (125) pound pressure rated swing check valve at the outlet of the bypass meter.

Meter valves shall be gate valves meeting federal specification WW-V-54D (latest revision) or ball valves meeting federal specification WW-V-35B (latest revision) having a full port opening that is the same diameter as the inside pipe diameter or approved equal.

All meters shall be valved at the inlet and at the outlet of the meter in such a manner that the meter may be easily removed. No bypass shall be installed around a water meter without specific permission in writing from the ~~waterworks~~ water treatment and distribution services director. Where meter setting heights must be higher than the minimum listed for one and one-half (1½) inch and larger meters, to ensure protection from immersion from backflooding, there shall be constructed an elevated pier to

support the meter, but the pier must be flat across the top and the inlet and outlet piping elevations as shown must be above the top of the pier and the meters must be shimmed up for support in the same manner as if they were on the floor.

Whenever a condition exists that prevents the reading, removal or setting of a water meter, the person or persons whose name appears on the current billing records shall be mailed a notice to correct such conditions. Unless the condition is corrected within fifteen (15) days the city shall cause the water to be ~~disconnected in the street~~ shut off and the water to remain ~~disconnected~~ shut off until the condition is corrected and all fees and costs are paid.

Whenever a water service to a building is replaced, the water meter shall be installed in accordance with the provisions of this article.

Section 54. That Section 509.680 of the above-entitled ordinance be amended to read as follows:

509.680. Fire service assembly meters. Fire service assembly meters that register water consumption for a combined domestic general supply and fire line, where permitted by the ~~director of the waterworks~~ director of the water treatment and distribution services division, will be installed, owned, and maintained by the owner of the premises.

Section 55. That Section 509.690 of the above-entitled ordinance be amended to read as follows:

509.690. Testing. Any person desiring to have their meter tested by the ~~waterworks~~ water treatment and distribution services division may have such test made upon paying ~~into the city treasury~~ to the city finance officer an amount to cover removing, transporting, testing, and replacement of the meter plus an amount for sewer and water service during the absence of the meter from the meter installation in the building.

These costs shall be as established in the schedule contained in the rate resolution and ~~kept current by the director of the waterworks and a current schedule of said costs shall be posted in the water department.~~

~~If the meter is found to read a greater amount than the accuracy tolerance of three (3) percent, the costs associated with the meter testing shall be refunded and the bills associated with the error in calibration of the meter shall be adjusted for a period of three (3) years prior to the testing of the meter.~~

Section 56. That Section 509.700 of the above-entitled ordinance be amended to read as follows:

509.700. Interference with Meter Removal. No person shall connect, or

disconnect, or take apart, or in any manner change, or permit to be changed, any water meter that is connected to or used in connection with the Minneapolis water system. No person shall, or interfere with the action or regulation of a water meter of any water meter that is connected to or used in connection with the Minneapolis water system unless authorized by the waterworks division. Such meters shall be removed only by an employee of the Minneapolis department of public works water treatment and distribution services division or when authorized by the director, except in case of an emergency. When a meter is removed for such reason it shall be reset or a spacer pipe shall be inserted and the water treatment and distribution services director shall be notified of such action within twenty-four hours. When disconnection of meter reading equipment is required when moving a meter, the water treatment and distribution services division shall be notified immediately. Reconnection of the cable shall be performed by a designee of the director of the water treatment and distribution services division.

Violation of this section shall subject the property owner to an fee administrative fine in an amount of two hundred dollars (\$200.00), as established in the schedule contained in the rate resolution. The director may also, upon finding a violation of this section, Violation may also result in the discontinuance of discontinue water service either by turning off the water at the stop box or by severing the service at the water main if the stop box is inoperable. Should water service be discontinued, reestablishment may not be made until:

- (1) All outstanding bills for utility service are paid in full;
- (2) All charges for discontinuance of water service are paid, including the fee for interfering with a meter, if applicable;
- (3) All charges for reinstitution of water service are paid; and
- (4) All costs for repair or replacement of the ~~faulty~~ damaged water meter are paid.

Section 57. That Chapter 509 of the above-entitled ordinance be amended by adding thereto a new Section 509.710 to read as follows:

509.710. Yard Meter Setting. The use of meter vaults for meter installation outside of a building will be allowed only by special permission and pursuant to the direction of the water treatment and distribution services division as evidenced by a written permit. Where permitted or required, the meter vault shall be constructed at a site approved by the water treatment and distribution services division with materials and design which meets standards set by the water treatment and distribution services division. A water meter reader device approved by the water treatment and distribution services division shall be required on all new meter settings.

The property owner shall maintain the meter vault and accessibility to the vault

so that the water meter can be read on a regular basis. This maintenance shall include removal of snow and ice which may prevent access to the meter vault. The water treatment and distribution services division, after proper notice, may terminate service if the owner fails to properly maintain the meter vault or reasonable access to the meter vault.

Section 58. That Chapter 509 of the above-entitled ordinance be amended by adding thereto a new Section 509.720 to read as follows:

509.720. Damaged Meters & metering System. If meters, automatic reading equipment or connecting cable are damaged either through neglect or carelessness of the customer, the cost of repairs, or replacement if the equipment is beyond repair, shall be paid for by the property owner.

Lost or stolen meters or metering system components shall be replaced by the water treatment and distribution services division at the expense of the property owner.

No person shall disconnect the cable connecting to automatic reading equipment used by the Minneapolis water system unless authorized by the water treatment and distribution services division.

Any owner or customer shall notify the Minneapolis public works-water treatment and distribution services division within one business day of the discovery of any breakage, stoppage or other irregularity in their meter, meter setting or metering system.

Section 59. That Chapter 509 of the above-entitled ordinance be amended by adding thereto a new Section 509.725 to read as follows:

509.725 Accessibility. Meters and remote meter reading receptacles must at all times be easily accessible so that they may be examined and meter readings obtained by employees of the water treatment and distribution services division. No person shall cover or obstruct any water meter or remote meter reading receptacle either permanently or temporarily.

Section 60. That Section 509.730 of the above-entitled ordinance be amended to read as follows:

509.730. Water rates established. Water rates shall be set by city council resolution to be effective beginning January 1, 1999, of each year, and as revised thereafter. Water rates may be determined by factoring meter size, volume of water used, fixed charges, or any combination thereof. Charges commence when the street valve is turned on for water service.

Section 61. That Section 509.750 of the above-entitled ordinance be amended to read as follows:

509.750. Net current charges and late charges. A utility bill charge that is not paid by the due date displayed on the bill (which is ~~twenty (20)~~ twenty-one (21) days from the bill invoice date) shall be considered late. A five (5) percent late charge shall be added to the net current charges of the bill at the expiration of the due date. The added late charge will appear on the next bill. After the twenty-one (21) day period, ~~The city finance officer may accept waive the late charges after the twenty (20) day period the net bill amount in full payment on~~ if the current charges are paid in full and upon satisfactory evidence that the delay in payment was due to circumstances over which the customer had no control.

Section 62. That Section 509.760 of the above-entitled ordinance be amended to read as follows:

509.760. Rates when not otherwise provided. Rates, for all purposes not hereinbefore named, will be fixed by estimation or meter measurements, at the option of the director of the ~~waterworks~~ water treatment and distribution services division; provided that no service pipe shall be assessed to yield a revenue of less than the ~~minimum charge~~ fixed rate set by city council resolution, however small the quantity of water required.

Section 63. That Section 509.770 of the above-entitled ordinance be amended to read as follows:

509.770. Special charges. The use of water flow for any purpose not specified by council resolution is to be charged and compensation collected therefor per one hundred (100) cubic feet at the average quantity estimated by the director of ~~the waterworks~~ the water treatment and distribution services division to be used during the year, or the quantity ascertained by meter.

Section 64. That Section 509.820 of the above-entitled ordinance be amended to read as follows:

509.820. Definitions. The following definitions shall apply to Chapters 509 and 511:

Applicant means an individual, firm, corporation, cooperative, association, or agency that requests utility services.

Bill payer means the owner, or the owner's designated agent(s), or firm, corporation, cooperative, association, or agency who is contractually obligated to pay for the utility bill, according to the records of the utility billing office. Agents of an owner must provide proof of the agency relationship in a document signed by the owner.

Customer means the billpayer or individual(s) occupying real estate receiving utility services.

Department means the ~~Waterworks Division~~ water treatment and distribution services division of the Minneapolis Department of Public Works or the utility billing office of the Minneapolis Finance Department.

Division means the Water Treatment and Distributions Services Division of the Minneapolis Department of Public Works.

Prior bill payer means a bill payer as defined above for a period in the past.
Utility services means water, sewer, solid waste and any other city services or fees that are charged on the city utility bill.

Water Division means the Water Treatment and Distribution Services Division of the Minneapolis Department of Public Works.

Waterworks means the Water Treatment and Distribution Services Division of the Minneapolis Department of Public Works.

Section 65. That Section 509.860 of the above-entitled ordinance be amended to read as follows:

509.860. Billing. Charges for utility services furnished by the city to customers shall be due and payable monthly or quarterly, as may be deemed necessary and convenient by the city. The city shall deliver a bill for the utility charges due, by first class mail or personal service, or pursuant to the city's voluntary electronic billing program of the utility charges due. The bill shall be directed to the owner or the owner's designated agent of the service address/premises, and the bill shall be deemed sufficient notice of the amount due.

Section 66. That Section 509.880 of the above-entitled ordinance be amended to read as follows:

509.880. Meter reading. (a) *Meter reading requirements.* Readings of all meters used for determining charges shall be attempted at least once every month. The customer must allow the department to access the meter after three (3) months of no reading, when there is a change in customer, or when requested by the customer.

(b) *Estimated bills.* When a meter reading cannot be gained, an estimated bill shall be rendered and subsequently adjusted to reflect actual water used when an actual meter reading is obtained, provided the meter is operating properly. Estimated bills shall be based on the property's consumption history.

Section 67. That Section 509.890 of the above-entitled ordinance be amended to read as follows:

509.890. Nonregistering meters; misreads; Under registering meters. If the

any meter fails to register or registers low or high by more than plus or minus 3% as determined by meter testing based on reasonable professional practices, the charge for water will be based upon the historical usage; taking into consideration the volume of business conducted on the premises, anticipated seasonal demand use of water at the property and any other factor that may reasonably assist in determining an equitable adjustment to estimate actual water usage. If it is apparent to utility billing staff that a meter may have been misread and the apparent misread involves a large amount, the reading may be sent back for checking. Normally accounts will be billed at the reading given with errors to be compensated for based on the next reading. Apparent misreads, if they involve large amounts, may be sent back for checking; otherwise the account is billed at the reading given, leaving the error to be compensated for at the next reading.

Section 68. That Chapter 509 of the above-entitled ordinance be amended by adding thereto a new Section 509.895 to read as follows:

509.895. Billing errors. When a customer has been overcharged or undercharged as a result of incorrect application of the rate schedule, incorrect connection of the meter, application of an incorrect multiplier or constant, or other similar reasons, the finance officer shall calculate the difference between the amount collected for service rendered and the amount that should have been collected for service rendered for the period beginning no more than six years before the date the error was discovered. The difference shall be refunded or billed to the customer within sixty (60) days from the date the error was discovered.

Section 69. That Section 509.900 of the above-entitled ordinance be amended to read as follows:

509.900. Delinquency. a) *Delinquency date.* At the expiration of twenty-one (201) days after the mailing, or personal service or electronic delivery of such notice, all utility charges not paid shall be deemed delinquent and the water may be shut off in accordance with section 509.1030. If a billpayer disputes receipt of a bill, the billpayer may notify the utility billing office of the Minneapolis finance department. If the dispute is not resolved, the billpayer may request a hearing under section 409.920.

(b) *Computation of payment period.* If the date for payment is a date when the offices of the department regularly used for payment of customer bills are closed to the general public, the date of payment shall be the next business day.

(c) *Late payment charges.* Late payment charges under section 509.750 shall continue to accrue on a disputed amount, but the charges will be waived if the dispute is ultimately decided in favor of the billpayer.

Section 70. That Section 509.930 of the above-entitled ordinance be amended to read as follows:

509.930. Administrative procedures. (a) The city shall designate one or more

hearing officers. Such hearing officers shall render decisions on matters before them in an impartial manner. Such decisions shall be binding on the department.

(b) The ~~department~~ city shall schedule all hearings at a time to be designated by the hearing officer.

(c) The ~~department~~ city shall furnish ~~to the hearing officer and any supporting documentation,~~ to the bill payer or applicant ~~a written explanation of its position and supporting documentation at least three (3) calendar days prior to commencement of a~~ scheduled hearing.

(d) At any hearing under this chapter:

(1) The bill payer, customer or applicant may appear in person or through a representative of the bill payer's or applicant's choice.

(2) The parties may present evidence, testimony, and oral and written argument, and they may cross-examine each witness appearing on behalf of the other party.

(3) The rules of evidence shall not apply. However, only reasonably relevant evidence shall be received and considered.

(4) Burden of proof. The ~~department~~ city bears the burden of proving that a reason for discontinuance and/or assessment exists.

(e) Following the hearing, the hearing officer shall prepare, in writing, a statement of the ~~department's~~ city's position, the bill payer's, customer's or applicant's position, findings of fact, a decision, and reasons therefor. The hearing officer's decision shall be based upon competent evidence in the record. The hearing officer may propose a settlement at any time which, if accepted by the parties, shall be reduced to writing and made a part of the record.

(f) The hearing officer's decision shall be mailed promptly to the bill payer, customer or applicant and ~~department~~ the city. The bill payer, customer or applicant shall pay any amounts owed within thirty (30) days of the hearing officer's decision. Failure to pay may result in the termination of water service for the said bill payer, customer or applicant of the property. Any amounts remaining unpaid will be assessed to property taxes and the hearing conducted previously shall stand as the hearing for said assessment. A bill payer, customer or applicant who disagrees with the hearing officer's decision may thereafter seek any judicial remedy provided by law.

Section 71. That Section 509.960 of the above-entitled ordinance be amended to read as follows:

509.960. Shut-off for public interest, misuse, waste or violation. Any

violation of chapter 509 may cause water to be shut off. Water may also be shut off if the director of the ~~waterworks~~ treatment and distribution services division determines that the use, misuse or waste of water adversely affects the health, safety or welfare of the public. No one shall turn water on or off without authority from the ~~city~~ director. Whenever water is found on without authority, it may be immediately turned off without further notice.

Section 72. That Section 509.990 of the above-entitled ordinance be amended to read as follows:

509.990. Discontinuance at request of customer. All bill payers or owners who desire to discontinue water service ~~for repair or vacant property~~ must notify the utility billing office or the ~~waterworks~~ director of the water treatment and distribution services division. The city will determine if water may be shut off. Water service and utility charges shall continue to accrue until water is turned off by the city except as provided by section 225.630.

Section 73. That Section 509.1100 of the above-entitled ordinance be amended to read as follows:

509.1100. Permits to tap mains for fire protection. All applications for permits to tap the city water mains for fire protection only shall be made to the ~~director of the waterworks~~ authorized designee of the director of the water treatment and distribution services division, who may grant permits for tapping the city water mains and connecting fire protection pipes, with a water meter or a detector, check valve/water meter combination ~~the same to be used for fire protection only in case of actual fire, and for no other purposes whatever.~~ These shall be used for fire protection only in case of fire.

Section 74. That Section 509.1110 of the above-entitled ordinance be amended to read as follows:

509.1110. Fire protection pipes without a meter. No water shall be drawn from fire service pipes for any purpose except for the extinguishment of fire, or for proper testing of the fire protection system in accordance with reasonable professional procedures for testing the fire protection system. Any use of water other than for extinguishment of fire or for proper testing of the fire protection system in accordance with reasonable professional procedures for testing the fire protection system shall be paid for by the owner at regular rates. No person shall tap or allow another person to tap any fire service pipe for other than fire protection purposes. Any illegal tap that is found, shall be disconnected immediately at the owner's expense. Violation of this section shall subject the property owner to an administrative fine in an amount as established in the schedule contained in the rate resolution.

All valves connected ~~with~~ to fire protection pipes having no water meter connected thereto~~with~~ shall be sealed by the city, at the expense of the applicant

property owner, and in case of a fire and the breaking of the seal, the waterworks water treatment and distribution services division shall be notified of the same fire and the breaking of the seal by the owner, tenant or occupant of the premises within twenty-four (24) hours after the breaking of such seal. Any person who shall use water from a connections so that has been made for fire purposes only for any purpose other than fighting a fire, or who shall break the seal of any valve connected with any fire protection pipes, and shall fail to notify the waterworks division of same within twenty-four (24) hours, as above required, or who shall tap or make connections with any fire protection pipes, without a permit, shall be subject to, and shall pay, an administrative fee of not more than one hundred dollars (\$100.00) fine in an amount as established in the schedule contained in the rate resolution, and the director of the waterworks shall immediately shut off the water from such fire protection pipes and shall not turn on the same until such administrative fee is paid. Any person subject to an administrative fine for a violation of the requirements of this section has a right to make an administrative appeal using the procedures and deadlines established in sections 509.920 and 509.930 of this chapter. The city bears the burden of proving any violation by a preponderance of the evidence.

Section 75. That Section 509.1120 of the above-entitled ordinance be amended to read as follows:

509.1120. Fire line rates. All rates for fire standpipes, supply pipes and automatic sprinkler pipes with detector meters, direct meters or unmetered, shall be set by city council resolution ~~to be effective beginning January 1, 1999, and revised thereafter annually.~~

When the seal of any of the valves connecting with such fire protection pipes shall be broken, it shall be resealed by authority of the director of the waterworks ~~director of the Minneapolis water treatment and distribution services division.~~ All connections for fire systems must have a post indicator valve installed at the curb if ordered by the ~~director of the waterworks~~ director of the Minneapolis water treatment and distribution services division.

Section 76. That Section 509.1125 of the above-entitled ordinance be and is hereby repealed.

~~**509.1125. Annual rates.** All fire standpipes, supply pipes and automatic sprinkler pipes with detector meters, direct meters or unmetered, shall be assessed according to size of connection at the following rates each per annum for the service and inspection of the fire protection pipes and meters installed, as follows:-~~

~~2-inch pipe connection\$30.00
3-inch pipe connection36.00
4-inch pipe connection48.00
6-inch pipe connection72.00
8-inch pipe connection120.00
10-inch pipe connection180.00~~

~~12-inch pipe connection300.00-~~

~~When the seal of any of the valves connecting with such fire protection pipes shall be broken, it shall be forthwith resealed by the superintendent of the waterworks. All connections for fire systems must have a post indicator valve installed at the curb if ordered by the superintendent of the waterworks.~~

~~This section shall be rescinded on midnight of December 31, 1998.~~

Section 77. That Section 509.1130 of the above-entitled ordinance be amended to read as follows:

509.1130. Administrative fee for opening fire hydrants Illegal use of hydrant. Except for use by personnel of the fire department and public works department, fire hydrants may only be used pursuant to the authority of a permit issued by the water treatment and distribution services division. All water taken from a hydrant must be metered. Any other person found using water from a hydrant, other than pursuant to the authority of a permit issued by the water treatment and distribution services division shall be subject to the following:

~~An administrative fine of one hundred dollars (\$100.00) in an amount as established in the schedule contained in the rate resolution shall be imposed for every fire hydrant opened without the proper authority. In addition to the above fee, there shall also be a charge to the any person opening the hydrant shall be liable for the cost of the water taken from the hydrant at regular rates based upon an reasonable estimate by the waterworks water treatment and distribution services division of the amount of water taken from the hydrant times the water rate in effect times five (5).~~

The water treatment and distribution services division will take custody of any and all hydrant nozzle adaptors and appurtenances found attached to Minneapolis fire hydrants or adjacent thereto in violation of this Code. Such adaptors and appurtenances become the property of the City of Minneapolis.

Any person who objects to a determination made pursuant to this section may make an administrative appeal using the procedures and deadlines established in sections 509.920 and 509.930 of this Chapter. The city bears the burden of proving any violation by a preponderance of the evidence.

Section 78. That Section 509.1140 of the above-entitled ordinance be amended to read as follows:

509.1140. Interference with hydrants, gates. No person shall open or interfere with any of the hydrants or gates of the city, except city employees with proper authorization to do so and other persons with the proper permits from the waterworks treatment and distribution services division.

Section 79. That Section 509.1200 of the above-entitled ordinance be amended to read as follows:

509.1200. Permit application and fees. Every application for a permit for the installation in any building or structure of water supply or water distribution pipes or system of piping shall be in writing on printed forms furnished by the department of inspections. The fees for permits shall be ~~computed according to the terms of Chapter 91, Article IV, of this Code~~ in an amount as established in the schedule contained in a separate fee resolution.

Section 80. That Section 509.1240 of the above-entitled ordinance be amended to read as follows:

509.1240. Connection to another water system. ~~Whenever~~ If a system of water supply, whether inside or outside of any building or structure, is supplied with water from ~~any well, cistern, river, lake or any source other than the Minneapolis Waterworks city water supply, System such~~ the system shall be kept entirely separated from the city supplied water system, ~~and no connection of any kind, either direct or indirect, shall be made with any pipe or system of piping which is supplied with water from the city except where the city has a bona fide working agreement with the governmental agency or operators of such system and the connection or provision for connection is made with and maintained under the approval and supervision of the director of the waterworks.~~ Any fire protection system supplied with water from the city water service shall be supplied exclusively with the city's water service. No connection shall be allowed with any other system drawing its supply from any other source where the city water supply may be subject to contamination from the other source. No connection shall be made at any time between the fire service pipe system and the regular water supply to the premises, unless all connections shall have been approved by the water treatment and distribution services division.

Section 81. That Section 509.1250 of the above-entitled ordinance be amended to read as follows:

509.1250. Separation from connected system. Wherever physical connection or cross connection between the city waterworks system and any other waterworks system is found to exist, the ~~director of the waterworks~~ director of Minneapolis water treatment and distribution services division and the owner shall be notified; and unless the owner removes the connection or cross connection within ten (10) days, the ~~said~~ director shall cause the water to be physically disconnected in the street and to remain disconnected until the separation of the system is effected. The director may act as necessary to protect public health.

Section 82. That Section 509.1280 of the above-entitled ordinance be amended to read as follows:

509.1280. Secondary water. Secondary water is any water from a system of

water pipes or piping which receives its water supply from rivers, cistern or any groundwater or rainwater reservoir; the secondary water is also water from the mains of the Minneapolis ~~waterworks~~ treatment and distribution services system which has been used for any purpose within any building, structure or premises which has been discharged from any type of condenser coils or cooling system, hydraulic lifts, boilers, linotype machines, die casting machines or apparatus or which has been stored in such a manner as to expose it to possible contamination. No secondary water shall in any way be piped or conveyed into the water supply system of any building, structure or premises to become a part of or mixed with the fresh water supply from the mains of the Minneapolis ~~waterworks~~ treatment and distribution services system. No pipe or other conduit which conveys secondary water shall be cross connected to the potable water system.

Section 83. That Section 509.1290 of the above-entitled ordinance be amended to read as follows:

509.1290. Compliance with plumbing code. All materials and methods of installation for the water supply system shall be made in accordance with the provisions of the Minneapolis Minnesota Plumbing Code.

Section 84. That Section 509.1310 of the above-entitled ordinance be amended to read as follows:

509.1310. Storage tanks. The engineering standards of boilers and pressure vessels for use in any building or structure using water supplied by the Minneapolis ~~waterworks~~ water treatment and distribution services division, shall be that established by the current edition of the construction, operation and care of, in-service inspection and testing, and controls and safety devices codes of the American Society of Mechanical Engineers and amendments thereto.

Section 85. That Section 509.1440 of the above-entitled ordinance be amended to read as follows:

509.1440. Copper fittings standards. Standards for copper fittings shall be as follows:

Copper Brass Solder Joint Fittings—~~American Standards Association~~ Society of Mechanical Engineers (ASME) B 16.18-1950.

Wrought Copper Solder Joint Fittings—~~American Standards Association~~ Society of Mechanical Engineers (ASME) B 16.22-1951.

Brass Fittings for Flared Copper Tube—~~American Standards Association~~ Society of Mechanical Engineers (ASME) B 16.25-1958.

Section 86. That Section 509.1470 of the above-entitled ordinance be amended to read as follows:

509.1470. Water use limited during emergency period. No person shall draw or use water from the city water mains or ~~the city waterworks~~ distribution system other than as permitted by the declaration of emergency during any period of emergency caused by shortage of water supply or lowering of water pressure in the water mains of the city.

Section 87. That Section 509.1490 of the above-entitled ordinance be amended to read as follows:

509.1490. Administrative fee fine. For a first violation of the declaration of emergency, the occupant of the premises or the owner thereof will receive a warning of the offense. Subsequent violations of the declaration of emergency will result in a turnoff of the water supply to the premises. Written notice posted on the premises at the time of the violation will be considered sufficient notice prior to turnoff of the water supply. No water supply which has been turned off because of a violation of this article shall be turned on until ~~twenty-five dollars (\$25.00)~~ an administrative fine in an amount as established in the schedule contained in the rate resolution has been paid to the Minneapolis waterworks treatment and distribution services division, together with the regular charge for turning off and on water service turn off and on. ~~The city engineer may, in the event of demonstrated economic hardship, waive a portion of the twenty-five dollar (\$25.00) administrative fee, but not exceeding fifteen dollars (\$15.00).~~ The violation may also be subject to the penalties in Chapter 1 of this Code.

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